BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of Work: Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

3RD & PART BILL

DETAILED MEASUREMENT

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :- 007-18-000109, 007-18-000110, 007-18-000111, 007-18-000112, 007-18-000113, 007-18-000114, 007-18-000115, 007-18-000116, 007-18-000117, 007-18-000118, 007-18-000119, 007-18-000120, 007-18-000121, 007-18-000122, 28873

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Hoysala Layout										
	5th Cross Road										
	LHS										
	0.00	5.00	L/S	1	5.00			0.60	0.60	1.80	
	5.00	15.00	L/S	1	10.00			0.60	0.60	3.60	
	15.00	30.00	L/S	1	15.00			0.60	0.60	5.40	
	30.00	45.00	L/S	1	15.00			0.60	0.60	5.40	
	45.00	48.00	L/S	1	3.00			0.60	0.60	1.08	
	RHS										
	3.00	17.00	R/S	1	14.00			0.60	0.60	5.04	
	27.00	35.00	R/S	1	8.00			0.60	0.60	2.88	
	35.00	48.00	R/S	1	13.00			0.60	0.60	4.68	
										29.88	
								Total Quantity		**29.88**	**Cum**

15/1/25

N.D 15/1

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
6	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Hoysala Layout										
	5th Cross Road										
	B.S Drain										
	LHS										
	0.00	5.00	L/S	1	5.00				1.80	9.00	
	5.00	15.00	L/S	1	5.00				1.80	9.00	
	15.00	30.00	L/S	1	10.00				1.80	18.00	
	30.00	48.00	L/S	1	6.00				1.80	10.80	
	RHS										
	3.00	17.00	R/S	1	5.00				1.80	9.00	
	23.00	27.00	R/S	0	4.00				1.80	0.00	C/S Road
	27.00	35.00	R/S	1	3.00				1.80	5.40	
	35.00	48.00	R/S	1	6.00				1.80	10.80	
	B.S Cover										
	5th Cross Road										
	LHS										
	25.00	30.00	L/S	1	5.00				0.90	4.50	
	RHS										
	3.00	17.00	R/S	1	14.00				0.90	12.60	
	27.00	35.00	R/S	1	8.00				0.90	7.20	
								Total Quantity		**96.30**	**Sqm**

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Pal
Bangalore - 560 092

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Hoysala Layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.80	5.25	5.53	0.23	6.35	
	5.00	15.00		1	10.00	5.25	4.70	4.98	0.23	11.44	
	15.00	30.00		1	15.00	4.70	4.30	4.50	0.23	15.53	
	30.00	45.00		1	15.00	4.30	4.40	4.35	0.23	15.01	
	45.00	60.00		1	15.00	4.40	4.10	4.25	0.23	14.66	
	60.00	75.00		1	15.00	4.10	4.20	4.15	0.23	14.32	
	75.00	90.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	90.00	105.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	105.00	120.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	120.00	135.00		1	15.00	5.00	5.30	5.15	0.23	17.77	
	135.00	150.00		1	15.00	5.30	5.10	5.20	0.23	17.94	
	150.00	165.00		1	15.00	5.10	5.40	5.25	0.23	18.11	
	165.00	180.00		1	15.00	5.40	5.15	5.28	0.23	18.20	
	180.00	195.00		1	15.00	5.15	4.80	4.98	0.23	17.16	
	195.00	210.00		1	15.00	4.80	4.90	4.85	0.23	16.73	
	210.00	225.00		1	15.00	4.90	4.40	4.65	0.23	16.04	
	225.00	240.00		1	15.00	4.40	4.40	4.40	0.23	15.18	
	240.00	255.00		1	15.00	4.40	4.20	4.30	0.23	14.84	
	255.00	270.00		1	15.00	4.20	4.10	4.15	0.23	14.32	
	270.00	285.00		1	15.00	4.10	4.20	4.15	0.23	14.32	
	285.00	300.00		1	15.00	4.20	4.90	4.55	0.23	15.70	
	300.00	315.00		1	15.00	4.90	5.00	4.95	0.23	17.08	
	315.00	317.80		1	2.80	5.00	5.35	5.18	0.23	3.33	
	2nd Cross Road										
	0.00	5.00		1	5.00	3.80	3.90	3.85	0.23	4.43	
	5.00	15.00		1	10.00	3.90	3.90	3.90	0.23	8.97	
	15.00	30.00		1	15.00	3.90	4.10	4.00	0.23	13.80	
	30.00	45.00		1	15.00	4.10	3.50	3.80	0.23	13.11	
	45.00	60.00		1	15.00	3.50	3.30	3.40	0.23	11.73	
	60.00	75.00		1	15.00	3.30	3.40	3.35	0.23	11.56	
	75.00	83.50		1	8.50	3.40	4.45	3.93	0.23	7.67	

415.66

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
Bangalore - 560 0

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
	3rd Cross Road										
	0.00	5.00		1	5.00	5.50	4.90	5.20	0.23	5.98	
	5.00	15.00		1	10.00	4.90	4.30	4.60	0.23	10.58	
	15.00	30.00		1	15.00	4.30	4.20	4.25	0.23	14.66	
	30.00	45.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	45.00	55.50		1	10.50	5.00	5.35	5.18	0.23	12.50	
	4th Cross Road										
	0.00	5.00		1	5.00	5.90	5.90	5.90	0.23	6.79	
	5.00	15.00		1	10.00	5.90	5.90	5.90	0.23	13.57	
	15.00	30.00		1	15.00	5.90	6.00	5.95	0.23	20.53	
	30.00	34.00		1	4.00	6.00	3.00	4.50	0.23	4.14	
	5th Cross Road										
	0.00	5.00		1	5.00	5.30	4.95	5.13	0.23	5.89	
	5.00	15.00		1	10.00	4.95	4.60	4.78	0.23	10.98	
	15.00	30.00		1	15.00	4.60	4.20	4.40	0.23	15.18	
	30.00	45.00		1	15.00	4.20	4.30	4.25	0.23	14.66	
	45.00	53.00		1	8.00	4.30	5.00	4.65	0.23	8.56	
	6th Cross Road										
	0.00	5.00		1	5.00	5.70	5.47	5.59	0.23	6.42	
	5.00	15.00		1	10.00	5.47	5.25	5.36	0.23	12.33	
	15.00	30.00		1	15.00	5.25	6.25	5.75	0.23	19.84	
	30.00	32.00		1	2.00	6.25	6.90	6.58	0.23	3.02	
	7th Cross Road										
	0.00	5.00		1	5.00	4.50	4.90	4.70	0.23	5.41	
	5.00	15.00		1	10.00	4.90	5.30	5.10	0.23	11.73	
	15.00	30.00		1	15.00	5.30	4.80	5.05	0.23	17.42	
	30.00	45.00		1	15.00	4.80	4.70	4.75	0.23	16.39	
	45.00	60.00		1	15.00	4.70	5.70	5.20	0.23	17.94	
	60.00	64.30		1	4.30	5.70	5.30	5.50	0.23	5.44	
										275.32	
								Total Quantity		**691.49**	**Cum**

10/2/2020

NDP 10/2/2020

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Pa
Bangalore - 560 0

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Hoysala Layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.80	5.25	5.53	0.23	6.35	
	5.00	15.00		1	10.00	5.25	4.70	4.98	0.23	11.44	
	15.00	30.00		1	15.00	4.70	4.30	4.50	0.23	15.53	
	30.00	45.00		1	15.00	4.30	4.40	4.35	0.23	15.01	
	45.00	60.00		1	15.00	4.40	4.10	4.25	0.23	14.66	
	60.00	75.00		1	15.00	4.10	4.20	4.15	0.23	14.32	
	75.00	90.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	90.00	105.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	105.00	120.00		1	15.00	5.00	5.00	5.00	0.23	17.25	
	120.00	135.00		1	15.00	5.00	5.30	5.15	0.23	17.77	
	135.00	150.00		1	15.00	5.30	5.10	5.20	0.23	17.94	
	150.00	165.00		1	15.00	5.10	5.40	5.25	0.23	18.11	
	165.00	180.00		1	15.00	5.40	5.15	5.28	0.23	18.20	
	180.00	195.00		1	15.00	5.15	4.80	4.98	0.23	17.16	
	195.00	210.00		1	15.00	4.80	4.90	4.85	0.23	16.73	
	210.00	225.00		1	15.00	4.90	4.40	4.65	0.23	16.04	
	225.00	240.00		1	15.00	4.40	4.40	4.40	0.23	15.18	
	240.00	255.00		1	15.00	4.40	4.20	4.30	0.23	14.84	
	255.00	270.00		1	15.00	4.20	4.10	4.15	0.23	14.32	
	270.00	285.00		1	15.00	4.10	4.20	4.15	0.23	14.32	
	285.00	300.00		1	15.00	4.20	4.90	4.55	0.23	15.70	
	300.00	315.00		1	15.00	4.90	5.00	4.95	0.23	17.08	
	315.00	317.80		1	2.80	5.00	5.35	5.18	0.23	3.33	
	2nd Cross Road										
	0.00	5.00		1	5.00	3.80	3.90	3.85	0.23	4.43	
	5.00	15.00		1	10.00	3.90	3.90	3.90	0.23	8.97	
	15.00	30.00		1	15.00	3.90	4.10	4.00	0.23	13.80	
	30.00	45.00		1	15.00	4.10	3.50	3.80	0.23	13.11	
	45.00	60.00		1	15.00	3.50	3.30	3.40	0.23	11.73	

396.43

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engr.
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara P
Bangalore - 560 0

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
	60.00	75.00		1	15.00	3.30	3.40	3.35	0.23	11.56	
	75.00	83.50		1	8.50	3.40	4.45	3.93	0.23	7.67	
	3rd Cross Road										
	0.00	5.00		1	5.00	5.50	4.90	5.20	0.23	5.98	
	5.00	15.00		1	10.00	4.90	4.30	4.60	0.23	10.58	
	15.00	30.00		1	15.00	4.30	4.20	4.25	0.23	14.66	
	30.00	45.00		1	15.00	4.20	5.00	4.60	0.23	15.87	
	45.00	55.50		1	10.50	5.00	5.35	5.18	0.23	12.50	
	4th Cross Road										
	0.00	5.00		1	5.00	5.90	5.90	5.90	0.23	6.79	
	5.00	15.00		1	10.00	5.90	5.90	5.90	0.23	13.57	
	15.00	30.00		1	15.00	5.90	6.00	5.95	0.23	20.53	
	30.00	34.00		1	4.00	6.00	3.00	4.50	0.23	4.14	
	5th Cross Road										
	0.00	5.00		1	5.00	5.30	4.95	5.13	0.23	5.89	
	5.00	15.00		1	10.00	4.95	4.60	4.78	0.23	10.98	
	15.00	30.00		1	15.00	4.60	4.20	4.40	0.23	15.18	
	30.00	45.00		1	15.00	4.20	4.30	4.25	0.23	14.66	
	45.00	53.00		1	8.00	4.30	5.00	4.65	0.23	8.56	
	6th Cross Road										
	0.00	5.00		1	5.00	5.70	5.47	5.59	0.23	6.42	
	5.00	15.00		1	10.00	5.47	5.25	5.36	0.23	12.33	
	15.00	30.00		1	15.00	5.25	6.25	5.75	0.23	19.84	
	30.00	32.00		1	2.00	6.25	6.90	6.58	0.23	3.02	
	7th Cross Road										
	0.00	5.00		1	5.00	4.50	4.90	4.70	0.23	5.41	
	5.00	15.00		1	10.00	4.90	5.30	5.10	0.23	11.73	
	15.00	30.00		1	15.00	5.30	4.80	5.05	0.23	17.42	
	30.00	45.00		1	15.00	4.80	4.70	4.75	0.23	16.39	
	45.00	60.00		1	15.00	4.70	5.70	5.20	0.23	17.94	
	60.00	64.30		1	4.30	5.70	5.30	5.50	0.23	5.44	
										295.06	
								Total Quantity		**691.49**	**Cum**

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigenalli Sub Division
Bruhat Bangalore Mananaga
Bangalore - 560

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Hoysala Layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.80	5.25	5.53		27.63	
	5.00	15.00		1	10.00	5.25	4.70	4.98		49.75	
	15.00	30.00		1	15.00	4.70	4.30	4.50		67.50	
	30.00	45.00		1	15.00	4.30	4.40	4.35		65.25	
	45.00	60.00		1	15.00	4.40	4.10	4.25		63.75	
	60.00	75.00		1	15.00	4.10	4.20	4.15		62.25	
	75.00	90.00		1	15.00	4.20	5.00	4.60		69.00	
	90.00	105.00		1	15.00	5.00	5.00	5.00		75.00	
	105.00	120.00		1	15.00	5.00	5.00	5.00		75.00	
	120.00	135.00		1	15.00	5.00	5.30	5.15		77.25	
	135.00	150.00		1	15.00	5.30	5.10	5.20		78.00	
	150.00	165.00		1	15.00	5.10	5.40	5.25		78.75	
	165.00	180.00		1	15.00	5.40	5.15	5.28		79.13	
	180.00	195.00		1	15.00	5.15	4.80	4.98		74.63	
	195.00	210.00		1	15.00	4.80	4.90	4.85		72.75	
	210.00	225.00		1	15.00	4.90	4.40	4.65		69.75	
	225.00	240.00		1	15.00	4.40	4.40	4.40		66.00	
	240.00	255.00		1	15.00	4.40	4.20	4.30		64.50	
	255.00	270.00		1	15.00	4.20	4.10	4.15		62.25	
	270.00	285.00		1	15.00	4.10	4.20	4.15		62.25	
	285.00	300.00		1	15.00	4.20	4.90	4.55		68.25	
	300.00	315.00		1	15.00	4.90	5.00	4.95		74.25	
	315.00	317.80		1	2.80	5.00	5.35	5.18		14.49	
	2nd Cross Road										
	0.00	5.00		1	5.00	3.80	3.90	3.85		19.25	
	5.00	15.00		1	10.00	3.90	3.90	3.90		39.00	
	15.00	30.00		1	15.00	3.90	4.10	4.00		60.00	
	30.00	45.00		1	15.00	4.10	3.50	3.80		57.00	
	45.00	60.00		1	15.00	3.50	3.30	3.40		51.00	
	60.00	75.00		1	15.00	3.30	3.40	3.35		50.25	
	75.00	83.50		1	8.50	3.40	4.45	3.93		33.36	
										1,807.23	

Consultant Contractor Assistant Engineer Assistant Executive Engineer

Assistant Executive Engin
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
	3rd Cross Road										
	0.00	5.00		1	5.00	5.50	4.90	5.20		26.00	
	5.00	15.00		1	10.00	4.90	4.30	4.60		46.00	
	15.00	30.00		1	15.00	4.30	4.20	4.25		63.75	
	30.00	45.00		1	15.00	4.20	5.00	4.60		69.00	
	45.00	55.50		1	10.50	5.00	5.35	5.18		54.34	
	4th Cross Road										
	0.00	5.00		1	5.00	5.90	5.90	5.90		29.50	
	5.00	15.00		1	10.00	5.90	5.90	5.90		59.00	
	15.00	30.00		1	15.00	5.90	6.00	5.95		89.25	
	30.00	34.00		1	4.00	6.00	3.00	4.50		18.00	
	5th Cross Road										
	0.00	5.00		1	5.00	5.30	4.95	5.13		25.63	
	5.00	15.00		1	10.00	4.95	4.60	4.78		47.75	
	15.00	30.00		1	15.00	4.60	4.20	4.40		66.00	
	30.00	45.00		1	15.00	4.20	4.30	4.25		63.75	
	45.00	53.00		1	8.00	4.30	5.00	4.65		37.20	
	6th Cross Road										
	0.00	5.00		1	5.00	5.70	5.47	5.59		27.93	
	5.00	15.00		1	10.00	5.47	5.25	5.36		53.60	
	15.00	30.00		1	15.00	5.25	6.25	5.75		86.25	
	30.00	32.00		1	2.00	6.25	6.90	6.58		13.15	
	7th Cross Road										
	0.00	5.00		1	5.00	4.50	4.90	4.70		23.50	
	5.00	15.00		1	10.00	4.90	5.30	5.10		51.00	
	15.00	30.00		1	15.00	5.30	4.80	5.05		75.75	
	30.00	45.00		1	15.00	4.80	4.70	4.75		71.25	
	45.00	60.00		1	15.00	4.70	5.70	5.20		78.00	
	60.00	64.30		1	4.30	5.70	5.30	5.50		23.65	
										1599.24	
								Total Quantity		**3,006.47**	**Sqm**

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Enginee
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Pa
Bangalore - 560 09

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Hoysala Layout										
	1st Cross Road										
	0.00	5.00		1	5.00	5.80	5.25	5.53		27.63	
	5.00	15.00		1	10.00	5.25	4.70	4.98		49.75	
	15.00	30.00		1	15.00	4.70	4.30	4.50		67.50	
	30.00	45.00		1	15.00	4.30	4.40	4.35		65.25	
	45.00	60.00		1	15.00	4.40	4.10	4.25		63.75	
	60.00	75.00		1	15.00	4.10	4.20	4.15		62.25	
	75.00	90.00		1	15.00	4.20	5.00	4.60		69.00	
	90.00	105.00		1	15.00	5.00	5.00	5.00		75.00	
	105.00	120.00		1	15.00	5.00	5.00	5.00		75.00	
	120.00	135.00		1	15.00	5.00	5.30	5.15		77.25	
	135.00	150.00		1	15.00	5.30	5.10	5.20		78.00	
	150.00	165.00		1	15.00	5.10	5.40	5.25		78.75	
	165.00	180.00		1	15.00	5.40	5.15	5.28		79.13	
	180.00	195.00		1	15.00	5.15	4.80	4.98		74.63	
	195.00	210.00		1	15.00	4.80	4.90	4.85		72.75	
	210.00	225.00		1	15.00	4.90	4.40	4.65		69.75	
	225.00	240.00		1	15.00	4.40	4.40	4.40		66.00	
	240.00	255.00		1	15.00	4.40	4.20	4.30		64.50	
	255.00	270.00		1	15.00	4.20	4.10	4.15		62.25	
	270.00	285.00		1	15.00	4.10	4.20	4.15		62.25	
	285.00	300.00		1	15.00	4.20	4.90	4.55		68.25	
	300.00	315.00		1	15.00	4.90	5.00	4.95		74.25	
	315.00	317.80		1	2.80	5.00	5.35	5.18		14.49	
	2nd Cross Road										
	0.00	5.00		1	5.00	3.80	3.90	3.85		19.25	
	5.00	15.00		1	10.00	3.90	3.90	3.90		39.00	
	15.00	30.00		1	15.00	3.90	4.10	4.00		60.00	
	30.00	45.00		1	15.00	4.10	3.50	3.80		57.00	
	45.00	60.00		1	15.00	3.50	3.30	3.40		51.00	
	60.00	75.00		1	15.00	3.30	3.40	3.35		50.25	
	75.00	83.50		1	8.50	3.40	4.45	3.93		33.36	
										1807.23	

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigenalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 0

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	3rd Cross Road										
	0.00	5.00		1	5.00	5.50	4.90	5.20		26.00	
	5.00	15.00		1	10.00	4.90	4.30	4.60		46.00	
	15.00	30.00		1	15.00	4.30	4.20	4.25		63.75	
	30.00	45.00		1	15.00	4.20	5.00	4.60		69.00	
	45.00	55.50		1	10.50	5.00	5.35	5.18		54.34	
	4th Cross Road										
	0.00	5.00		1	5.00	5.90	5.90	5.90		29.50	
	5.00	15.00		1	10.00	5.90	5.90	5.90		59.00	
	15.00	30.00		1	15.00	5.90	6.00	5.95		89.25	
	30.00	34.00		1	4.00	6.00	3.00	4.50		18.00	
	5th Cross Road										
	0.00	5.00		1	5.00	5.30	4.95	5.13		25.63	
	5.00	15.00		1	10.00	4.95	4.60	4.78		47.75	
	15.00	30.00		1	15.00	4.60	4.20	4.40		66.00	
	30.00	45.00		1	15.00	4.20	4.30	4.25		63.75	
	45.00	53.00		1	8.00	4.30	5.00	4.65		37.20	
	6th Cross Road										
	0.00	5.00		1	5.00	5.70	5.47	5.59		27.93	
	5.00	15.00		1	10.00	5.47	5.25	5.36		53.60	
	15.00	30.00		1	15.00	5.25	6.25	5.75		86.25	
	30.00	32.00		1	2.00	6.25	6.90	6.58		13.15	
	7th Cross Road										
	0.00	5.00		1	5.00	4.50	4.90	4.70		23.50	
	5.00	15.00		1	10.00	4.90	5.30	5.10		51.00	
	15.00	30.00		1	15.00	5.30	4.80	5.05		75.75	
	30.00	45.00		1	15.00	4.80	4.70	4.75		71.25	
	45.00	60.00		1	15.00	4.70	5.70	5.20		78.00	
	60.00	64.30		1	4.30	5.70	5.30	5.50		23.65	
										1199.24	
								Total Quantity		**3006.47**	**Sqm**

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
Bangalore - 560

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)									
	Hoysala Layout										
	1st Cross Road										
	0.00	5.00		1.00	5.00	5.80	5.25	5.53	0.04	1.11	
	5.00	15.00		1.00	10.00	5.25	4.70	4.98	0.04	1.99	
	15.00	30.00		1.00	15.00	4.70	4.30	4.50	0.04	2.70	
	30.00	45.00		1.00	15.00	4.30	4.40	4.35	0.04	2.61	
	45.00	60.00		1.00	15.00	4.40	4.10	4.25	0.04	2.55	
	60.00	75.00		1.00	15.00	4.10	4.20	4.15	0.04	2.49	
	75.00	90.00		1.00	15.00	4.20	5.00	4.60	0.04	2.76	
	90.00	105.00		1.00	15.00	5.00	5.00	5.00	0.04	3.00	
	105.00	120.00		1.00	15.00	5.00	5.00	5.00	0.04	3.00	
	120.00	135.00		1.00	15.00	5.00	5.30	5.15	0.04	3.09	
	135.00	150.00		1.00	15.00	5.30	5.10	5.20	0.04	3.12	
	150.00	165.00		1.00	15.00	5.10	5.40	5.25	0.04	3.15	
	165.00	180.00		1.00	15.00	5.40	5.15	5.28	0.04	3.17	
	180.00	195.00		1.00	15.00	5.15	4.80	4.98	0.04	2.99	
	195.00	210.00		1.00	15.00	4.80	4.90	4.85	0.04	2.91	
	210.00	225.00		1.00	15.00	4.90	4.40	4.65	0.04	2.79	
	225.00	240.00		1.00	15.00	4.40	4.40	4.40	0.04	2.64	
	240.00	255.00		1.00	15.00	4.40	4.20	4.30	0.04	2.58	
	255.00	270.00		1.00	15.00	4.20	4.10	4.15	0.04	2.49	
	270.00	285.00		1.00	15.00	4.10	4.20	4.15	0.04	2.49	
	285.00	300.00		1.00	15.00	4.20	4.90	4.55	0.04	2.73	
	300.00	315.00		1.00	15.00	4.90	5.00	4.95	0.04	2.97	
	315.00	317.80		1.00	2.80	5.00	5.35	5.18	0.04	0.58	
	2nd Cross Road										
	0.00	5.00		1.00	5.00	3.80	3.90	3.85	0.04	0.77	
	5.00	15.00		1.00	10.00	3.90	3.90	3.90	0.04	1.56	
	15.00	30.00		1.00	15.00	3.90	4.10	4.00	0.04	2.40	
	30.00	45.00		1.00	15.00	4.10	3.50	3.80	0.04	2.28	
	45.00	60.00		1.00	15.00	3.50	3.30	3.40	0.04	2.04	

68.94

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division

Bruhat Bangalore Mahanagara

Bangalore - 560

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description		Side	Nos	Length	Width			Depth	Quantity	Remarks
	Chainage					B1	B2	Avg width			
	60.00	75.00		1.00	15.00	3.30	3.40	3.35	0.04	2.01	
	75.00	83.50		1.00	8.50	3.40	4.45	3.93	0.04	1.33	
	3rd Cross Road										
	0.00	5.00		1.00	5.00	5.50	4.90	5.20	0.04	1.04	
	5.00	15.00		1.00	10.00	4.90	4.30	4.60	0.04	1.84	
	15.00	30.00		1.00	15.00	4.30	4.20	4.25	0.04	2.55	
	30.00	45.00		1.00	15.00	4.20	5.00	4.60	0.04	2.76	
	45.00	55.50		1.00	10.50	5.00	5.35	5.18	0.04	2.17	
	4th Cross Road										
	0.00	5.00		1.00	5.00	5.90	5.90	5.90	0.04	1.18	
	5.00	15.00		1.00	10.00	5.90	5.90	5.90	0.04	2.36	
	15.00	30.00		1.00	15.00	5.90	6.00	5.95	0.04	3.57	
	30.00	34.00		1.00	4.00	6.00	3.00	4.50	0.04	0.72	
	5th Cross Road										
	0.00	5.00		1.00	5.00	5.30	4.95	5.13	0.04	1.03	
	5.00	15.00		1.00	10.00	4.95	4.60	4.78	0.04	1.91	
	15.00	30.00		1.00	15.00	4.60	4.20	4.40	0.04	2.64	
	30.00	45.00		1.00	15.00	4.20	4.30	4.25	0.04	2.55	
	45.00	53.00		1.00	8.00	4.30	5.00	4.65	0.04	1.49	
	6th Cross Road										
	0.00	5.00		1.00	5.00	5.70	5.47	5.59	0.04	1.12	
	5.00	15.00		1.00	10.00	5.47	5.25	5.36	0.04	2.14	
	15.00	30.00		1.00	15.00	5.25	6.25	5.75	0.04	3.45	
	30.00	32.00		1.00	2.00	6.25	6.90	6.58	0.04	0.53	
	7th Cross Road										
	0.00	5.00		1.00	5.00	4.50	4.90	4.70	0.04	0.94	
	5.00	15.00		1.00	10.00	4.90	5.30	5.10	0.04	2.04	
	15.00	30.00		1.00	15.00	5.30	4.80	5.05	0.04	3.03	
	30.00	45.00		1.00	15.00	4.80	4.70	4.75	0.04	2.85	
	45.00	60.00		1.00	15.00	4.70	5.70	5.20	0.04	3.12	
	60.00	64.30		1.00	4.30	5.70	5.30	5.50	0.04	0.95	
										51.31	
								Total Quantity		120.26	Cum

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Kodigenalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560 092

Bill No :- 3rd & Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name Of work :- Improvements to roads and drains from 18th Cross to JNC Circle(Left Hand Side and Right Hand Side Roads from Renuka Yellamma Temple Road to JNC Circle) in Ward No.7,Byatarayanapura

BOQ Item No	Description / Chainage	Side	Nos	Length	Width B1	Width B2	Width Avg width	Depth	Quantity	Remarks
36	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)									
	Hoysala Layout									
	1st Cross Road									
	Edge Line		2	317.80			0.10		63.56	
	2nd Cross Road									
	Edge Line		2	83.50			0.10		16.70	
	3rd Cross Road									
	Edge Line		2	55.50			0.10		11.10	
	4th Cross Road									
	Edge Line		2	34.00			0.10		6.80	
	5th Cross Road									
	Edge Line		2	53.00			0.10		10.60	
	6th Cross Road									
	Edge Line		2	32.00			0.10		6.40	
	7th Cross Road									
	Edge Line		2	64.30			0.10		12.86	
							Total Quantity		**128.02**	**Sqm**

NDP 18/3/2022

Cert. Rec'd 18/3/2022

Consultant

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engr
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara
Bangalore - 560